



doc.nr. ISO/TC 8	<b>N 920</b>
Date	total pages
<b>1997-11</b>	<b>13</b>
item nr.	supersedes document
-	N 900

Nederlands Normalisatie-instituut	
Secretariat	
Kalfjeslaan 2	P.O. box 5059
Delft	2600 GB Delft
	Netherlands
telephone:	+31 15 2 690 390
fax:	+31 15 2 690 190

Title: **Ships and marine technology**

Secretariat: NNI (Netherlands)

## **Report 16<sup>th</sup> meeting ISO/TC8, Hamburg 1997-10-21/22**

### **1 Opening of the Meeting**

The chairman opens the meeting by blowing his boatswain whistle. Later in the meeting Mr. Peter Ehlers, president of BSH (Bundesamt für Seeschifffahrt und Hydrographie) welcomes the delegates to Germany and the BSH.

### **2 Roll Call of Delegates**

- 8 N 906 Rev. 2 - Preliminary list of participants

This preliminary list should be completed with Mr. Emilio Sonson from Italy. It should also be added that Mr. Xia Yongnan is secretary SC 4. Mr. Alessie from the Netherlands and Mr. Hübschmann from Germany did not show up at the meeting.

The meeting is attended by 28 delegates, representing 10 P-member bodies, ISO/Central Secretariat and the following two organizations in liaison: IMO and IACS. The attendance list is annexed to this report.

Apologies have been received from Mr. Hukkelberg (Norway), Mr. Heinz (secretary ISO/TC 8/SC 1) and Professor Taguchi (former chairman).

### **3 Adoption of the Agenda**

- 8 N 905 Rev.- Revised Agenda

The revised agenda (8 N 905 rev) is adopted, with the new documents listed in bold printing.

The item "Guidance for ISO/TC 8/SC 1/WG 2 on production control" should be dealt with under item 6.1 (and not 6.2).

Under agenda item 10 Mr. Abram will also present some statistical data on the productivity of ISO/TC 8 and average processing time.

Mr. Van Dijk asks attention for possible remaining items from doc 8 N 904 "Result of ballot on Recommendations 104/112", but all these items are dealt with on the agenda or in relevant documents for ISO/TC 8 or the AG.

#### **4 Appointment of the Drafting Committee**

With Resolution 152 Mr. Hime and Mr. Mølstrand are appointed to the resolution committee.

Resolution 152 on the resolution committee:

ISO/TC8 appoints Mr. Hime and Mr. Mølstrand to the resolution committee.

#### **5 Report of the secretariat**

- 8 N 907- Report of the secretariat
- 8 N 907 Annex 2- Participation tables

This report is for information and gives in nine annexes the present situation regarding Structure, Participation, Technical committee Responsible Officers and Addresses of Committee Personnel, Membership of the Advisory Group, Liaisons, Complete work, Work programme and Meeting plan.

It is felt there is some redundancy in the information provided and consequently Resolution 153 is taken.

Resolution 153 on the status report of ISO/TC 8:

- ISO/TC 8 has noted there is a redundancy in the documentation provided on the working programme of ISO/TC 8. In future the "Complete work" and "Work programme", as reproduced from the ISO/CS database will no longer be distributed to ISO/TC 8, but instead the ISO/TC 8 Status Report (doc 8 N 1000) will be further improved by adding an annex giving the number, title, date of publication, the present status or reconfirmation and responsible SC and WG on all existing published standards of ISO/TC 8 in numerical order.

#### **6 Report of the ISO/TC 8 Subcommittees**

- 8 N 908 - Reports on progress on ISO/TC 8 subcommittees

Doc. 8 N 908 and its annexes contain the progress reports of the ten subcommittees of ISO/TC 8, as prepared by the subcommittee secretariats.

Mr. Hime gives a further elucidation on the present state of affairs in this subcommittee.

##### **1. SC 1 - Lifesaving and fire protection**

- 8 N 908 annex 1 - Report SC 1
- 8 N 909 - Report ISO/TC 8/SC 1/WG 2

SC 1 is active and had a meeting in Copenhagen on 1997-10-02/03. There are now 11 approved work items, 2 of which are to be deleted, [01.09] ISO/NP 14613 "Embarking and leaving ship in open water" because on second sight the revisions of ISO 799 and ISO 5488 will be pursued as separate items, and [01.10] ISO/NP 14614 "Life jackets for sea-going ships" because this item is transferred to ISO/TC 188 (see ISO 12402-part 1/7).

As there is still some uncertainty on the responsibilities of SC 1 and SC 4 on the subject of winches and launching appliances, Resolution 154 is taken.

Resolution 154 on the cooperation of SC 1 and SC 4 on winches and launching appliances for lifeboats

ISO/TC 8 resolves that all future work on winches and launching appliances for lifeboats, including the

revision of ISO 6067 [WI 01.05] and the elaboration of ISO/NP 15516 [WI 04.26], be a joint effort from SC 1 and SC 4, as necessary setting up a joint Working Group, placed administratively under SC 4.

It is necessary to improve the programme management of these items by setting target dates and milestones. SC 4 is urged not to wait any longer for experts to be nominated, but to send out the proposal ISO/WD 15516 to the members of SC 4 for ballot.

In doc 8 N 909 ISO/TC 8/SC 1/WG 2 asks whether requirements on production control are to be included in standards. In fact ISO/TC 8 had already taken up a position with

Resolution 149 but, in addition to that, now Resolution 155 is taken.

Resolution 155 on production control

ISO/TC 8 resolves, with regard to the request from ISO/TC8/SC1/WG2 (doc 8 N 909) for guidance on requirements on production control requirements in standards, that ISO/IEC Guide 7 paragraphs 4.5 through 4.7 should be followed.

Mr. Hime undertakes to discuss this subject further with Mr. Markle, the convener of WG 2.

## 2. SC 2 - Marine environment protection

- 8 N 908 annex 2 - Report SC 2

Mr. Hime presents also the report of this subcommittee. SC 2 had a recent meeting in Odense on 1997-06-17/18 and will convene again in 1998 in Portugal. Up to now only two work items are formally approved within SC 2. Several more topics are mentioned as future work for WG 1 "Discharge control", but this WG still lacks a convener.

Several proposed changes in memberships and liaisons are still to be communicated to ISO/CS.

It is felt that direct contact with Chair or Secretariat of a subcommittee is important and thus SC 2 is urged to see whether a direct representation in the next meeting of ISO/TC 8 or the AG is possible.

## 3. SC 3 - Piping and machinery

- 8 N 908 annex 3 rev - Report SC 3

The report of SC 3 is presented by the Chairman, Mr. Janetatos, and the Secretary, Mr. Hopkins. SC 3 had a meeting in Odense on 1997-09-17/19 and is making good progress. SC 3 has 8 active working groups and 24 approved work items, but there is still need for more active participation of the member bodies.

For proposed item [03.06] "Code on alarms and indicators" (IMO link NR 24) no project in SC 3 will be developed, because it is felt that IEC is more appropriate. The broader subject "Engine room arrangements, including human factors" goes beyond the scope of SC 3 and consequently Resolution 156 is taken.

Resolution 156 on a possible standard on engine room arrangements (including human factors):

ISO/TC 8 resolves that the preparation of an ISO standard on engine room arrangements taking into consideration all of the specific issues identified in IMO DE 40/12, including human factors requirements to be considered in such arrangements, be considered by SC 9, in response to the request behind IMO-link-nr 2 and IMO-link-nr 24.

This proposed item will be registered as [09.22] under SC 9.

In relation to the many revisions of standards in the programme of work of ISO/TC 8 (43 in total) the subcommittees are reminded of the possibility to prepare amendments to standards instead of completely new editions (see 2.10.2 of the Directives).

## 4. SC 4 - Outfitting and deck machinery

- 8 N 908 annex 4 - Report SC 4

The very extensive report of SC 4 is presented by Mr. Xia Yongnan, the secretary of SC 4. The member bodies are once more invited to appoint experts in the three working groups of SC 4.

ISO/TC 67 is on the point of publishing ISO 13819-4, so it seems a bit late now for ISO/TC 8 to intervene. Although no one in particular is to blame for this, we should try to do better in the future.

As already stated under agenda item 6.1, SC 4 is urged now to send out ISO/WD 15516 "Launching appliances for davit-launched lifeboats" for ballot to the members of SC 4.

For the proposed item [04.27] "Guidelines for safe ocean towing" Norway did not yet succeed in interesting Norwegian experts, although fifteen companies had been addressed.

Denmark is prepared to be host for the next meeting of SC 4 in 1998.

#### 5. SC 5 - Ships' bridge layout

- 8 N 908 annex 5 - Report SC 5

The report of SC 5 is presented by Mr. Nolsøe, the chairman of SC 5. SC 5 has only one active item on the programme of work, and the 4th edition of a working paper was dealt with at a well organized meeting in Southampton on 1997-04-10. A further meeting of ISO/TC 8/SC 5/WG 1 will be convened in the autumn of this year. On two proposed new items [05.03] "Electronic field of vision" and [05.04] "Watch alarm and transfer systems" no final decision has been made, awaiting further developments in IMO.

#### 6. SC 6 - Navigation

- 8 N 908 annex 6 - Report SC 6

The report of SC 6 is presented by the Japanese delegation. The subcommittee is very productive. SC 6 has now six approved items in the programme of work and in 1997 five new or revised standards have been published (ISO 449, ISO 8728, ISO 8729, ISO 9876 and ISO 11606).

Mr. Van Dijk expresses his concern on the proposed revisions of ISO 9875:1997 "Marine echosounding equipment" and ISO 11606:1997 "Marine electromagnetic compasses" immediately following the publication in 1997. This is too soon and will not be understood by the industry. It will be seen as a lack of co-ordination between IMO and ISO.

Mr. Palomares explains that the IMO HSC Code is constantly being revised.

The work on item [06.17] "Navigational chart", to be based on IHO Specification M-4, is delayed, awaiting formal agreement from IHO.

#### 7. SC 7 - Inland navigation vessels

- 8 N 908 annex 7 - Report SC 7

The report of SC 7 is taken note of without further elucidation, because no representative from the subcommittee or the Russian Federation is present.

In the report it is stated that some obstacles are seen for the proposed adoption of several EN-standards, but ISO/TC 8 is of the opinion that it is preferable to proceed now without further consultation of CEN or ISO/CS, and consequently Resolution 157 is taken.

Resolution 157 on the adoption of European standards on Inland navigation vessels by ISO/TC8/SC7.

ISO/TC 8 resolves that SC 7 should proceed with the possible adoption of EN 526, EN 711, EN 790, EN 929, EN 914, EN 1255, EN 1502 and prEN 12827 as International Standards, as proposed by CEN/TC 15, by issuing a NWI proposal and/or a WD to the members of SC 7 for ballot, it being understood that no further formal approval from CEN is needed.

## 8. SC 8 - Structures

- 8 N 908 annex 8 - Report SC 8

The report of SC 8 is presented by the Chairman, Mr. Thiemer, and the Secretary, Mr. Schade. The subcommittee is making good progress on six approved work items and fifteen further proposals.

It is intended to establish a new working group (WG 2), its task being review and revision of all standards on ship's windows and side scuttles.

In answer to the proposed disbandment of WG 1 "Bulk carriers", the SC is reminded that working groups should only be disbanded after the final publication of ISO standards, because also the resolving of submitted comments is regarded to be a task of the WG.

## 9. SC 9 - General requirements

- 8 N 908 annex 9 - Report SC 9

The report of SC 9 is presented by the Chairman, Mr. Saito. The secretariat of SC 9 is responsible for some very extensive projects.

The final text of item [09.09] ISO/TR 13298 "Vocabulary" is ready for printing and will be sent to ISO/CS this month.

For item [09.10] "Assessment of speed and power performance by means of sea trials" a new convener and project leader have been nominated and it is the intention that a meeting of WG 2 will be convened in Tokyo in June 1998 to resolve any comments on the draft proposals. A further detailed discussion on this subject is necessary.

ISO/CS has rejected the publication of item [09.11] "Review of maritime standards" as DTR 15180. Instead the secretariat of SC 9 will prepare a diskette containing the text of the 5th edition, after receipt of the necessary modifications and additions from the member bodies concerned.

ISO/CS has also rejected the publication of item [09.12] "ISO book of standards" as DTR 15583. In this case the diskette, containing the text, has already been sent free of charge to the P-members and the members of the AG. Many additional requests for this diskette (also available on the USCG internet site and to be downloaded in Adobe format) have been received.

As to item [09.14] "Standard practices for human engineering design of marine systems" Mr. Hime is invited to consider the possibility to resume responsibility for this item as project leader.

Mr. Alexander proposes that ISO/TC 8/SC 9 investigates the possible standardization of "Ship fenders", as no standards on this type of product exist in the world. Mr. Alexander is prepared to be project leader and to move this item forward. The subject will be added as proposal [09.23] "Ship fenders".

## 10. SC 10 - Computer applications

- 8 N 908 annex 10 rev - Report SC 10

The revised report of SC 10 is presented by the Chairman, Mr. Robertsson, and the secretary, Mr. Foss. The day preceding the ISO/TC 8 meeting this young subcommittee has had its first meeting in Hamburg.

The subcommittee has reviewed the existing standards. Several of these standards will become obsolete if the work of ISO/TC 184 progresses, but for the time being these standards can be confirmed until the next periodical review.

A proposal for a New Work Item [10.17] on "Ship management DATA Modeling" will be drafted by Mr. E. Story.

- 8 N 1000 - ISO/TC 8 Status report

The general concept of this status report is in fact a combination of two earlier documents (AG N 488 and 8 N 880) and is the first result of an Ad Hoc Group (installed with Recommendation 105 of the AG and chaired by Mr. Hopkins), charged to develop a format and the best way to communicate the status of ISO/TC 8 work items of common interest to relevant bodies of IMO. Further refinements to this report should be developed, beginning with the ones mentioned in Resolution 153 (see under agenda item 5).

Several delegations express the feeling that this is a valuable document ("Just what we needed", "Our bible for the future") giving a quick overview of ISO/TC 8, its ten subcommittees and the programme of work.

It is the intention to present future editions of this Status Report also to delegates of important IMO meetings (MSC, MEPC, DE, FP, NAV).

## **8 Vienna Agreement**

1. CEN/TC 15 - Inland navigation Vessels: No specific items. See Resolution 157 (under agenda item 6.7) on the proposed adoption of European standards on Inland navigation vessels by ISO/TC 8/SC 7. The programme of CEN/TC 15 now contains thirteen work items.
2. CEN/TC 300 - Sea-going vessels and marine technology: The complete work programme of CEN/TC 300 now contains nineteen items (all of them transpositions of ISO standards into European standards, to be implemented by all CEN member bodies).

CEN/TC 300 is, like all CEN/TC's, working on a business plan, but a draft is not yet available. As the concept of business plans will also be introduced in ISO, it is proposed to co-operate with CEN/TC 300 in this respect.

The next meeting of CEN/TC 300 will be held in Portugal (1998-06-08/09) in the same week as the meeting of ISO/TC 8/AG. The chairman of ISO/TC 8 is invited to attend this meeting.

Mr. Alexander announces that it is possible that he will be the UK delegate to CEN/TC 300 meetings in the future.

## **9 Liaisons of ISO/TC 8 and subcommittees**

- 8 N 910 - External liaison organizations

Doc. 8 N 910 is a request to the secretariats of ISO technical committees and subcommittees to review annually their external liaison organizations on effectiveness or relevance.

In the case of proposed new liaisons the secretariat is requested to carry out a full consultation of the P-members of the committee.

All ISO/TC 8 subcommittees are urged to follow these new procedures and in order to give some more guidance to the subcommittees (for instance on the sensitive subject of asking to pay a fee) Resolution 158 is taken.

- Resolution 158 on internal and external liaisons: ISO/TC 8 resolves that a policy note shall be prepared by the ISO/TC 8 Advisory Group, to guide the subcommittees on the best way to maintain liaisons with internal and external organizations, taking into account any changes in the relevant ISO procedures.

The chairman stresses that subcommittees should not approach organizations which have also a liaison with TC 8 plenary, without prior consultation of Chair or Secretariat of ISO/TC 8.

For some organizations the flow of documents is formally restricted to delegates to meetings (IMO), while other organizations (ECE group on inland navigation) put their documents on the open Internet.

Co-operation with IMO

The co-operation with IMO is very good and is in fact a "two way street". Delegates take part in meetings of both organizations on a reciprocal basis. In this meeting IMO is represented by Mr. Palomares.

#### Co-operation with IACS

Our chairman has a good working relation with Mr. Bell from IACS and receives all kinds of documents. Mr. Friese represents IACS at this meeting as a substitute, because at the same time an important IACS meeting is taking place.

In the past there has been some difference of opinion between IMO, ISO and IACS on the desirability to prepare ISO standards on Construction- and repair quality of bulk carrier hull structures, but the draft international standards are in print now.

Mr. Alexander mentions the problem that Classification Bureaus do not always accept each others certificates.

#### Co-operation with IAPH

Also the co-operation with IAPH is good, including the exchange of information.

Captain Piersall attends most bi-annual meetings of IAPH on behalf of ISO (as an honorary member for a restricted fee) and is of the opinion that the activities (ship-port-interface, ship design and marine pollution) are becoming more important .

### **10 Periodical review of standards**

- 8 N 912 - Systematic review of International Standards

In doc 8 N 912 recent decisions from the ISO Technical Management Board on further modifications of the procedure for the Periodical Review are given.

In general there is a tendency to decentralize ISO/CS functions. In future ISO/TC's and SC's will be fully responsible for any documents and the maintenance of standards.

ISO/TC 8 is still not content with the present procedure and consequently Resolution 159 is taken, also considering the comments received from ISO/TC 8/SC 3 and ISO/TC 8/SC 7.

Resolution 159 on the periodical review of standards: In regard to the periodical review of standards, the committee found that the new TMB questionnaire and questions for the five year review of standards do not provide for technical committee assessment of the technical content of the standards under review. As a result, there is no technical basis provided for determining whether a standard should be confirmed, revised or withdrawn. The ISO/CS criteria for the determination, based on answers to the questionnaire, diminishes the credibility of the process for periodical review. The recently used questionnaire installed by TMB does not reflect this issue. ISO/TC 8 recommends ISO/TMB and Central Secretariat to reinstall the previous used questionnaire and questions for the periodical review of standards (or a combination of the two questionnaires).

#### Presentation Mr. Abram (ISO/CS)

Mr. Abram gives a presentation and shows some overhead sheets with statistical data on the following subjects:

- Average processing time in developing ISO standards
- Submission of DIS to member body vote (1992 - 1996)
- Statistical data on productivity and average processing time
- Number of WD's, CD's, DIS's, Standards Published and total number of standards (1992 - 1996)

- Periodical review 1992 - 1996
- Processing time for ISO standards
- Main steps of a draft and required approval
- ISO/TC production (TC 8 with 153 standards on the 14th place)
- Alternative procedures and deliverables
- ISO/CEN collaboration
- Decentralization of ISO/CS functions

In relation to the subject "ISO/CEN Collaboration", more specific ISO/TMB Resolution 90/1997, ISO/TC 8 emphasizes that "Ships and marine technology" is an international field of industry, which asks for international standards and consequently Resolution 160 is taken.

- Resolution 160 on NWIP taken up internationally or regionally (Vienna Agreement): Being informed on TMB resolution 90/1997, ISO/TC 8 recommends ISO and the TMB to observe that some fields of industry - particularly ships and marine industry - specifically ask for International Standards, and do not ask for regional standards bodies to undertake development of International Standards. ISO/TC 8 recommends therefore that existing voting procedures and conclusions from such within ISO be maintained.

#### **11 Future meetings, dates and locations**

BSI has confirmed to be able to host the 17th plenary meeting of ISO/TC 8 in October 1998 in Maldon (Essex), near Colchester, 60 miles North East of London. Some lunches and dinners will be sponsored and Mrs. Alexander will take care of a ladies programme.

With Resolution 161 this invitation is accepted with pleasure.

- Resolution 161 on the 17th plenary meeting: ISO/TC 8 accepts with pleasure the invitation from BSI to host the 17th plenary meeting of ISO/TC 8 in Maldon, Essex, United Kingdom, in October 1998.

The final dates have still to be settled.